

ORNL 4372-82



UNITED WAY FUNDS PRESENTED — Representatives of United Way campaigns in the six counties in which most Oak Ridge Nuclear Division employees reside received checks totaling \$26,400 from Union Carbide recently. The corporation's annual donation to the United Way was divided among the counties based upon the percentage of employee giving from each county. The checks were presented by Harvey Carter, general committee chairman of the 1982 Nuclear Division campaign. Attending the ceremony, from left, were: Robert Baird, Anderson County United Way; K. R. (Rod) McPeters, Morgan County; James Settle, Blount County; Carter; George Warlick, Roane County; Doyle Arp and Charles Bettis, Loudon County; and Wayne Murdock, Knox County.

Area counties get boost from United Way pledges

Nuclear Division employees in Oak Ridge have donated a record \$960,080 to the United Way during the 1982 campaign, which began

September 14. Each of the employees was asked to assign donations to a specific county, and the total is divided among these counties, based upon the employees' requests.

Total employee and corporate contributions to the six counties are:

Anderson:	\$455,080
Roane:	\$143,220
Blount:	\$ 12,072
Knox:	\$291,651
Loudon:	\$ 47,165
Morgan:	\$ 33,932

The remainder of the contributions will be divided among other counties or agencies as specified by the employees.

The presentation of \$26,400 in corporate contributions to representatives of the six county United Way agencies was made by Harvey P. Carter, general committee chairman for the 1982 Nuclear Division United Way Campaign.

Paducah Plant exceeds UW goal

The Paducah Plant 1982 United Way campaign has been completed, with contributions totaling \$81,388.28 and exceeding this year's goal. Nearly 1200 employees contributed to the total, which surpassed last year's figure of \$79,426.58.

The contributions will be distributed to United Way agencies in seven area counties in a November 5 ceremony at the Paducah Plant. The counties represented are McCracken, Ballard, Graves, Marshall and Carlisle counties in Kentucky; Massac County in Illinois; and Mississippi County in Missouri.

Organizations declare interest in operating DOE facilities

A total of 52 expressions of interest in operation of the Nuclear Division facilities have been received by the Department of Energy. The following is a statement by Robert J. Hart, Manager of DOE's Oak Ridge Operations, concerning the response:

"We are very pleased and encouraged by the response to our request for expressions of interest in the management, operation and maintenance of four large DOE facilities in Oak Ridge and Paducah, Kentucky. The large number of organizations responding is indicative of a high level of interest in these research and production facilities which strongly supports our long-range plan to select a highly qualified organization, or organizations, to replace Union Carbide Corporation. We will now begin a careful, in-depth review of these expressions of interest which will enable us to complete our planning. We hope by soon after the first of the year that a decision will be made on whether there will be one contractor or multiple contractors, and we now anticipate that we will be able to issue a request for proposals shortly after that."

The following is a listing of those expressing interest in the operations, and the facilities in which they have specific interest:

- Aerojet-General Corporation, Sacramento, Y-12.
- Research Dynamics, Inc., Cincinnati, ORNL.
- Wesleyan, Inc., Cookeville, not specified.
- Robertshaw Controls Company, Richmond, Va., Y-12.
- Morrison-Knudson Company, Inc., Boise, Idaho, all four facilities.
- Sverdrup Technology, Inc., Tulsa, Oklahoma, all four facilities; combined ORGDP/PGDP; combined ORNL/Y-12.
- Mason & Hanger-Silas Mason Co., Inc., Lexington, Ky., Y-12.
- Oak Ridge Associated Universities, ORNL.
- Murray State University, Murray, Ky., PGDP.
- Rockwell International Corporation, Canoga Park, Calif., all four facilities.
- Battelle Memorial Institute, Columbus, Ohio, ORNL.
- IIT Research Institute, Chicago, ORNL.

- The University of Tennessee, ORNL alone; or joint venture with corporation for ORNL solely or ORNL in tandem with one or more facilities.

- Creole Production Services, Inc., Houston, all four facilities or portions.

- The Rust Engineering Company, Birmingham, support services.

- Holmes & Narver, Inc., Orange, Calif., Y-12; design engineering associated with ORNL.

- Ebasco Services, Incorporated, New York, combined ORNL/Y-12. Joint venture with Bendix Corporation and also either UT or ORAU.

- The M. W. Kellogg Company, Houston, all four facilities or any combination.

- UNC Resources, Falls Church, Va., ORNL/Y-12; Y-12 alone. Joint venture if combined ORNL/Y-12.

- Eagle-Picher Industries, Inc., Quapaw, Okla., all four facilities. Joint venture with UT.

- Westinghouse Electric Corporation, Pittsburgh, all four facilities.

- TRW, Inc., Redondo Beach, Calif., ORNL/Y-12; ORGDP/PGDP. Joint venture with Garrett Corporation for ORGDP/PGDP. ORNL/Y-12 alone.

- The Boeing Company, Seattle, all four facilities.

- Evaluation Research Corporation, Vienna, Va., support in areas of industrial safety and radiological protection, environmental monitoring, management of wastes and decommissioning of surplus DOE facilities.

- Science Applications, Inc., La Jolla, Calif., all four facilities.

- Foster Wheeler Corporation, Livingston, N.J., all four facilities.

- McDermott, Incorporated, New Orleans, ORNL; Y-12; ORNL/Y-12.

- Calspan Corporation, Buffalo, ORNL.

- Teledyne Systems Company, Northridge, Calif., all four facilities.

- J. A. Jones Construction Company, Charlotte, N.C., ORNL; all four facilities.

- Northrop Corporation, Los Angeles, ORNL.

- Cabot Corporation, Boston, all four facilities; ORNL/Y-12.

- Air Products and Chemicals, Inc., Allentown, Pa., ORGDP/PGDP; ORGDP; PGDP.



Medicine chest

'Starch blockers' as diet aids

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

QUESTION: Would you comment on the current fad of using starch blockers as diet aids? Are they worthwhile, and would you advise their use?

ANSWER: Starch blocking is a new weight-loss "fad" involving the use of a kidney bean derivative which reduces the digestion of carbohydrate or starch foods. These foods normally are digested in the small intestine by an enzyme called amylase, found in the pancreatic juice. It breaks down complex carbohydrate into sugars such as sucrose, lactose or maltose. Intestinal enzymes further break down these sugars into glucose, which is absorbed into the blood and transported to the liver.

Effects of 'blocking'

When the effectiveness of amylase is "blocked," starch cannot be digested properly. It passes on to the colon where it is attacked by bacteria that normally live there. The consequence may be a greatly increased production of gas. Many people avoid eating beans for this reason. If a large amount of undigested starch reaches the colon it can cause nausea, vomiting and diarrhea.

In theory, starch blockers should be ideal. Obese people could eat starches and sweets to their hearts' content, the foods would not be digested adequately and the potential calories would pass harmlessly out of the body. Unfortunately, it doesn't work that well, and there are many health concerns in addition to the unpleasant symptoms.

Problems with pills

Dr. George Blackburn at the Massachusetts Institute of Technology believes that this bean derivative probably is only about 10 percent effective. Blocking starches in rats causes an enlargement of the pancreas, probably because undigested starch in the intestine is a signal for the pancreas to produce more amylase. Filling the intestine with only partially digested starch may interfere with the digestion and absorption of other foods and vitamins.

Some of the starch-blocker pills that were sold were extremely crude preparations of ground beans, and raw beans contain some toxic substances that normally are destroyed during cooking.

Starch blocking has not been studied scientifically. Just how much

starch is blocked and how long the block works, if indeed it does, has not been determined properly.

Suit is pending

In an attempt to sidestep the Food and Drug Administration (FDA), pill manufacturers claimed that their products were a food rather than a medicine. Incidentally, the pills were expensive, costing from \$20 to \$40 per bottle for about a month's supply. Fortunately, the FDA ordered the sale of these pills or capsules stopped on July 1. However, a suit challenging the authority of the FDA has been filed by the manufacturers of the pills and has not been settled.

(Editor's note: A federal judge ruled Oct. 6 that starch-blocker pills are a drug and not a food, ordering seven firms to stop distributing the product and to destroy existing supplies.)

Those who use starch-blocker diets and not pills should remember that any diet that restricts the total intake of calories will cause weight loss. Starches supposedly are filling, causing the hunger for sugars and fats to diminish. Starches are not a major cause of obesity; sweets and fats are the true villains. Several books on starch blocking have been purchased eagerly by obese people searching for an easy way to lose weight.

Carbide Camera Club names photographic salon winners

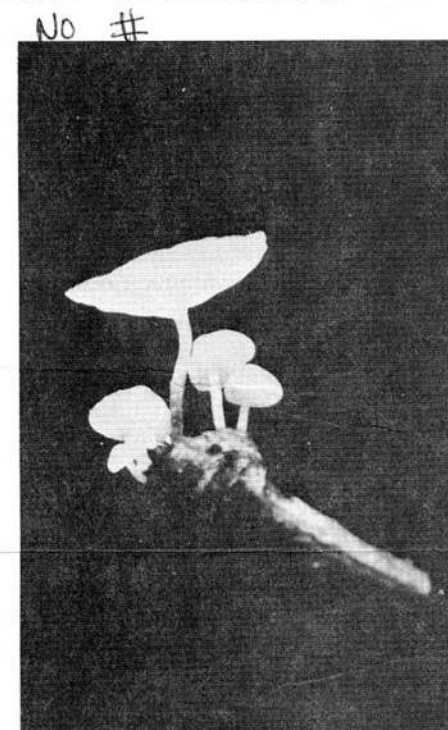
Art Snell and Ron McConathy head the list of winners in the Annual Carbide Camera Club Salon, capturing the awards for photographic excellence in the print and slide competitions, respectively.

Salon exhibits are on display until November 13 at the Oak Ridge Community Art Center, with regular viewing hours of 9 a.m. to 1 p.m. Monday through Friday, 1 to 4 p.m. Saturday and 2 to 4 p.m. Sunday. Special salon hours are 7 to 9 p.m. Friday, Saturday and Sunday.

John Johnson's portrait "Morning Session" was judged best slide of the show. Other winners in the slide division included Ron McConathy, Ralph Donnelly, Mike Calloway, Hal Smith, Bob Stone, Juan Carbajo, John Barrett, Bob Eby, Daryl Northcut, Virginia Coleman, Ralph Guymon, Frank Hensley, Judy Rice and Les Shular.

In the black-and-white print division, Hal Smith's "Thistles and Shadows" won best of show. Other winners included Ann Raridon, Juan Carbajo and Bob Stone.

Art Snell's "Grey Squirrel" won the best-of-show award in the color print division. Other award winners included Hal Smith, Les Shular, Virginia Coleman, Daryl Northcut, John Rowe and Juan Carbajo.



WINNING SLIDE — Ron McConathy's "Mushroom Family" took first place in the color nature slide category.

John Barrett and Ralph Guymon served as cochairmen for the salon. Judges were Ann Bouldin, Ward Bandy and Terry Marlar (color slide division); and Steve Lissner, Lewis McCrary and Jim Richmond (color and black-and-white print divisions).

John W. Cleland dies in Knoxville

John W. Cleland, a physicist in the ORNL Solid State Division, died October 16 at UT Hospital in Knoxville.

A 33-year Carbide employee, Mr. Cleland lived at 7101 Stockton Drive, Knoxville. He was a member of the East Tennessee Memorial Society and Tennessee Valley Unitarian Church.

Survivors include his wife, Reina Sabel Cleland; son, J. Scott Cleland; and daughter, Nancy D. Cleland, all of Knoxville; mother, Eva H. Cleland; and brothers, Robert and Wallace Cleland.

A memorial service was conducted at Tennessee Valley Unitarian



Mr. Cleland

Church. Memorial contributions may be made to the John W. Cleland Memorial Fund, Cancer Research Unit, University of Tennessee Hospital.

UNION
CARBIDE

Nuclear Division News

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NUCLEAR DIVISION
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PADUCAH
Laura Quigley, Bell 208



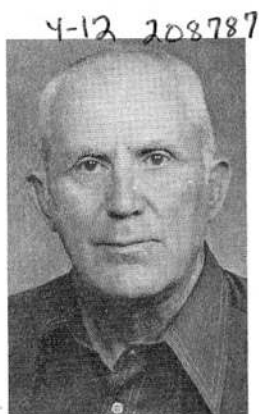
INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Published every other week
for employees such as:



**Jack L. Rich, ORNL
Information Division**

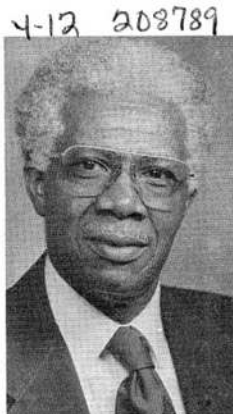
Service award winners honored for involvement



Teno



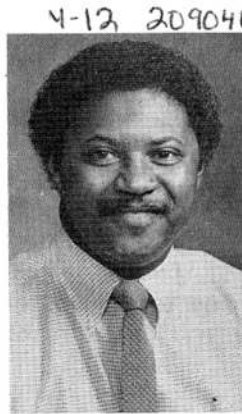
Turok



Upton



Walker



Weaver



Weaver



White

(Editor's note: The final seven Nuclear Division recipients of Union Carbide Community Service Awards are profiled in the following article. The 37 winners were nominated by Division employees and selected by committees at each facility composed of Carbide and community representatives. They were honored at special ceremonies earlier in October for their participation in "voluntary, uncompensated activities that benefit their communities." The 30 other recipients have been profiled in previous issues of *Nuclear Division News*.)

Floyd L. Teno, Y-12 — Teno has been involved in volunteer service to the Briceville community for the past 36 years. He has served in leadership roles in the Briceville Volunteer Fire Department, the People's Health Center and the Boy Scouts of America. Teno also was instrumental in helping the community obtain a city water system, and he worked with the Tennessee Valley Authority to help channel a local creek for flood control. A machinist in the Fabrication Division, Teno resides in Briceville.

Charles W. Turok, Paducah — Turok has served his community for the past 25 years and has been involved in some 17 organizations, including the young Historians Association, the Paducah Night Lions Club, the Southern Illinois Alumni Association and the Carbide Credit Union. He has been very active in the Boy Scouts of America, serving as camp counselor, treasurer, instructor and scoutmaster. A resident of Paducah, Turok is head of the Industrial Hygiene Department in the Employee Relations Division.

E. H. Upton, Y-12 — Upton has been active in community service for some 30 years. He served as temporary chairman of a southeastern regional meeting of the NAACP and worked toward the integration of Oak Ridge. He has been involved in clean-up and beautification projects, as well as rebuilding the Scarboro Community Center. Upton also is active in the Lions Club and the Boy Scouts of America. A material handler in the Industrial Engineering Division, he lives in Oak Ridge.

Floyd E. Walker, ORGDP — Walker has been active in the Boy Scouts of America for the past six years. He has served his troop as assistant scoutmaster and scout-

master, district adult training officer and council member. Walker also has led his troop to two National Jamborees and has won several scout training awards. A resident of Kingston, Walker is an instrument mechanic in the Maintenance Division.

Robert T. Weaver, Y-12 — Weaver has been involved in a variety of service activities during the past 20 years. He has helped to pursue low-income housing projects

for Oak Ridge, as well as working with city officials to develop an affirmative action program. He organized a voter registration drive in Scarboro and has been active in various NAACP programs. Weaver has served as a counselor in alcohol and drug abuse programs, worked for the Walk for Mankind and is a director of Community Services for Exceptional Citizens. A technical associate in the Health, Safety and Environmental Affairs Division, he lives in Oak Ridge.

Rose S. Weaver, ORNL — Weaver has been involved in volunteer service to Oak Ridge and the Scarboro community for the past 10 years. She has chaired committees on community development, has been involved in a cultural workshop to bring black and white communities closer together and has been active in the YWCA and the Girl Scouts. Weaver also organized a clean up campaign, poetry work-

shops and a program for tutoring students in problem subjects. A resident of Oak Ridge, Weaver is a technical information assistant in the Information Division.

James T. White, ORNL — White has been a leader in the Boy Scouts of America for the past 30 years. He has directed programs of leadership training, hiking, camping and community service, served as scoutmaster for two troops attending National Jamborees and has led a troop consisting of underprivileged children. Twenty-two of his troop members have attained the rank of Eagle Scout. White has been named Scoutmaster of the Year for the Southeast Region and has received the Silver Beaver Award, the highest award given by a scouting council. White, who lives in Knoxville, is a designer in the Information Division.

Question Box

How will new tax bill affect Savings Plan?

QUESTION: Will the new tax bill affect interest drawn in the Savings Plan? In other words, will taxes be withheld on our Company contributions and the interest drawn?

ANSWER: So long as there is no withdrawal or payout of money in excess of the employee's contribution to the Savings Plan, there is no tax liability, and therefore no withholding. If the withdrawal or payout is in excess of the employee's contribution, then withholding may be required. The IRS has not yet issued regulations specifying the conditions or the amount of withholding.

Beards and respirators

QUESTION: The "no beard" rule for hourly employees is supposed to be for safety. A clean shave is necessary for a respirator or face mask to seal. I look around me and see many salaried employees with full beards. We all work around toxic substances and are subject to the dangers of a release. Can you tell me how these bearded salaried employees are going to be protected?

ANSWER: All Nuclear Division employees, regardless of payroll

classification, whose job duties subject them to wearing respirators must be instructed in their use and properly fitted to wear them. A satisfactory fit requires that the respirator wearer be clean shaven in the area between the sealing surface of the respirator and the face. OSHA regulations and American National Standards both address this requirement for respirator wearers. In order to be properly protected by a respirator, a bearded employee must sacrifice that part of the beard that interferes with the sealing surface of the respirator and any facial hair that may interfere with proper valve function.

Overtime policy

QUESTION: Within our group everyone does the same job; however, individuals who openly signed union cards are receiving less opportunity for overtime than those who did not openly support the union. What is company policy on who gets overtime and on this situation?

ANSWER: If all employees in a group are performing the same job at

the same skill level and if they are equally available to work overtime, it is Company policy for the overtime work to be spread fairly evenly among employees in the group.

An individual's decision to sign or not sign a union authorization card has nothing to do with his or her eligibility for overtime assignments. If you feel that your overtime assignments are being influenced on this account, you should raise the matter with your supervisor or, if you prefer, you may take the matter to a Salaried Employee Complaint Program counselor.

Employee complaints

QUESTION: Quite often salaried employees with a legitimate complaint about favoritism being shown to individuals in their department go to their immediate supervisor and then to their department head and no action is taken. Is there someone or some group we can go to for results?

ANSWER: The Salaried Employee Complaint Program was established to provide an additional method of appeal. It is suggested that you contact a counselor of your choice.

Recent Retirements

Most of these retirees will be retiring December 30.



Nicholas O. Case
Plant and Equipment
ORNL
29 years service



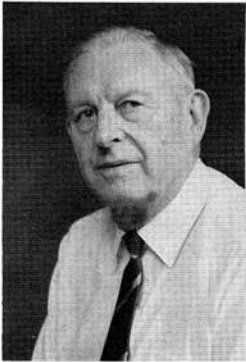
Harold B. Greene
Chemical Technology
ORNL
37 years service



Samuel V. Haun
Maintenance
ORGDP
38 years service



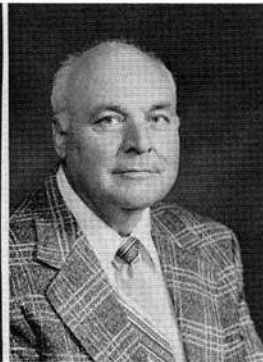
Byron A. Kress
Engineering
Paducah
17 years service



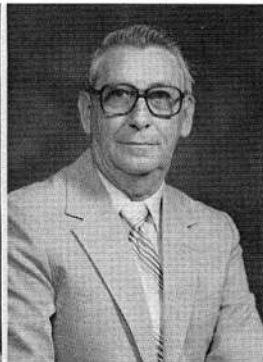
Warren Shadden
Materials Shop
Y-12
28 years service



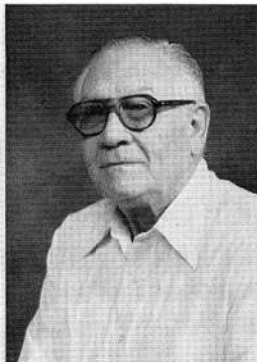
Earl J. Vickery
General Shops
Y-12
21 years service



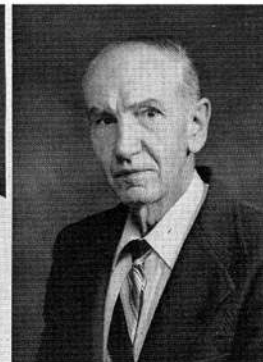
William J. Hatcher
Tool Grinding
Y-12
30 years service



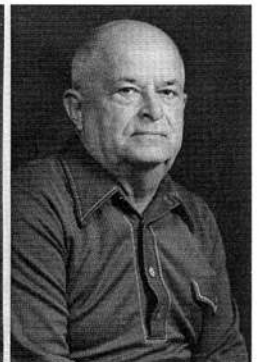
John McGhee Jr.
Materials Transfer
Y-12
31 years service



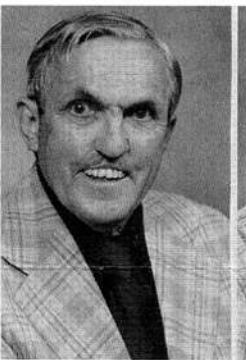
Charles H. Bowman
Shop Job Liaison
Y-12
31 years service



Victor D. Sherrod
General Shops
Y-12
31 years service



Joseph D. Davis
Fabrication Shop
Y-12
31 years service



Anderson H. Inman
Micrographics
Y-12
38 years service



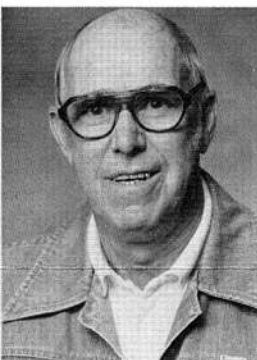
James A. Wade
Utilities
Y-12
29 years service



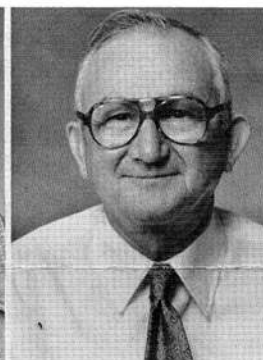
Robert L. Habermas
Inspection
Y-12
24 years service



Marshall W. Rickard
Special Services
Y-12
34 years service



Ray N. Evans
General Shops
Y-12
29 years service



James F. Ball Sr.
General Shops
Y-12
13 years service



James R. Taylor
General Expediting
Y-12
29 years service



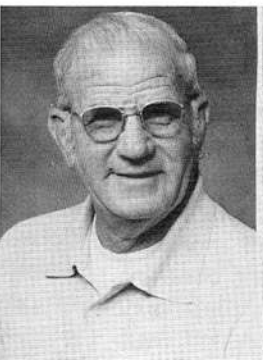
George L. Howard
Buildings, Grounds
Y-12
34 years service



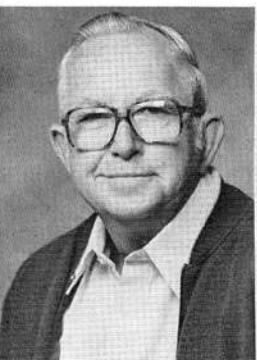
Simon J. Myers Jr.
Buildings, Grounds
Y-12
38 years service



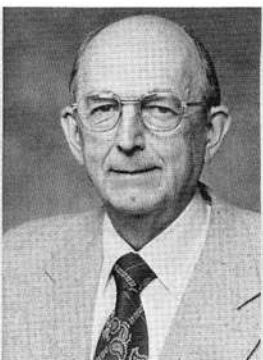
Owen C. Willard
Production Coordination
Y-12
29 years service



Roy J. West
Reproduction
Y-12
28 years service



Ralph V. Guy
Beta 4 Forming
Y-12
31 years service



W. Spence Wallace
Metal Preparation
Y-12
38 years service



Elizabeth Patrick
Plant Laboratory
Y-12
38 years service



David J. Cooley
Special Services
Y-12
35 years service



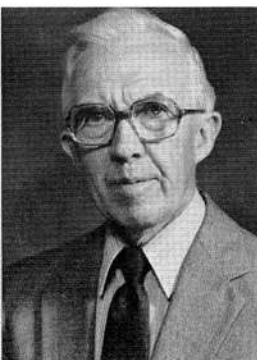
Howard H. Pratt
Fabrication Shop
Y-12
32 years service



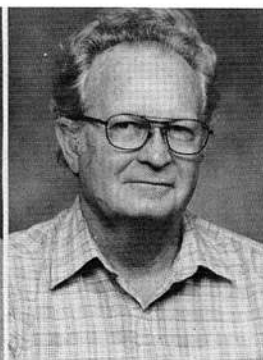
Ralph E. Redmon
Building Services
Y-12
36 years service



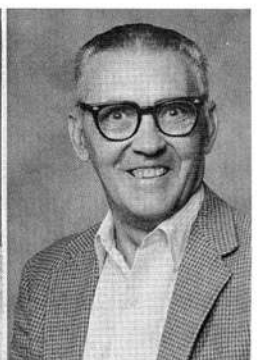
William Burum
Building Services
Y-12
31 years service



Otey B. Cottrell
Graphite Shop
Y-12
28 years service



Norman E. Hoffman
Beta 4 Forming
Y-12
26 years service



Rayce L. Vanderpool
Process Maintenance
Y-12
29 years service

Speakers' Bureau promotes awareness of energy issues

ORGDP employees recently got a chance to see members of the Nuclear Division Speakers' Bureau in action at a seminar on "Speaking on Nuclear Energy." Three veteran bureau members presented "mini-talks" on nuclear energy and discussed some of their experiences in public speaking.

Participants included: John A. Auxier, director of ORNL's Industrial Safety and Applied Health Physics Division, who spoke on "Protection of the Public from Nuclear Energy Installations"; Ted M. Besmann, researcher in ORNL's Chemical Technology Division, speaking on "Energy Supply, Demand, and Technology"; and William J. Wilcox, Nuclear Division Technical Director, speaking on "Uranium Enrichment: Maintaining the Competitive Edge."

The purpose of the Nuclear Division Speakers' Bureau is to promote public understanding of all forms of energy.

Although most of the audience was technically oriented, each speaker was asked to address his talk to a specific, nontechnical group typical of those reached by the Speakers' Bureau. Those attending the seminar assumed the roles of environmental activists, media representatives and educational leaders. Following the short presentations, the participants discussed their speaking experiences, how to handle hostile or indifferent audiences and how to respond to difficult questions.

The purpose of the Speakers' Bureau is to promote public understanding of all forms of energy and of the Nuclear Division's role in helping to solve energy-related problems. Today's vital energy issues often are plagued with controversy, which can be a result of misinformation, faulty rumors and conflicting reports.

Through the Speakers' Bureau, Nuclear Division scientists, researchers and engineers meet

groups in face-to-face presentations to help educate the public on these issues.

The bureau was begun in 1975 by the ORNL Program Planning and Analysis Office. Initially, it consisted of ORNL staff members who already were involved in speaking on an individual basis. In 1976, responsibility for the Speakers' Bureau was assumed by the Public Relations Department, and the bureau was expanded to include all Nuclear Division facilities.

Currently, more than 100 Nuclear Division employees participate in the program. Other employees are called on when their knowledge of a particular subject is required.

Each year, between 75 and 100 talks are presented to educational organizations, civic and social groups, and trade and professional societies. Universities, community colleges, high schools and other educational institutions provide the bulk of the requests. Some Nuclear Division employees also visit campuses under the Oak Ridge Associated Universities Traveling Lecture Program, sponsored as a more formal programmatic activity for DOE.

Each year, between 75 and 100 talks are presented to various civic groups, educational organizations and professional societies.

Trade and professional groups make up the second largest group of requestors. Community service organizations and civic and social groups also make frequent requests for Nuclear Division speakers.

Other requests come from government, business and retiree groups. Speakers also appear on radio and television talk shows.

To make arrangements for a speaker, or for more information on the Nuclear Division Speakers' Bureau, contact the Public Relations Department at ORNL (4-4165).

Safety Scoreboard

Time worked without a lost-time accident through October 21:

Y-12 Plant	100 Days	3,809,000 Employee-Hours
ORGDP	252 Days	5,921,757 Employee-Hours
ORNL	124 Days	3,099,461 Employee-Hours
Paducah	814 Days	6,760,301 Employee-Hours

Anniversaries

ORNL

35 YEARS

Frank W. Manning, Instrumentation and Controls; William E. Shockley, Chemical Technology; Hoytte C. Easter, Plant and Equipment; James N. Smith, Instrumentation and Controls; Glen I. Gault, Analytical Chemistry; and Elbert F. Marguerat, Engineering.

30 YEARS

Clinton L. Haley, Physics; James A. Wallace, Plant and Equipment; Lonnie W. Gilley, Operations; Clyde Hamby Jr., Metals and Ceramics; James H. Marable, Engineering Physics; Marion G. Ailshie, Plant and Equipment; C. Sue Alley, Analytical Chemistry; Sherman A. Reed, Engineering Technology; and Hobart D. Curtis, Engineering Technology.

25 YEARS

Claude T. Long, William R. Van Pelt, Warner H. Christie and Robert P. Oliver.

20 YEARS

Joe D. Burt, Felicia M. Foust, Maxon E. Boling and Joe Barish.

Y-12

35 YEARS

David G. Schultz, Law Department; and James R. Martin, Chemical Services.

30 YEARS

Bobbie L. Mowell, Building Services; and Cleo Sideris, Superintendents Division.

25 YEARS

Robert B. Burditt, Joseph R. Ryan Jr., Kenneth S. Whitehouse, George H. Rains and Frank B. McDonald Jr.

20 YEARS

Russell L. Dagley and Jerald E. Insell.

ORGDP

35 YEARS

Robert L. Farrar Jr., Process Support; Wallace K. Kirkland, Separation Systems; and William E. Templeton, Maintenance.

30 YEARS

Keys D. Bolling, Technical Services; Calvin C. Devaney, Engineering; Paul T. Hundley Jr., Maintenance; Warren C. Kitchings, Maintenance; Nelline P. Ross, Finance, Materials and Services; Bernard J. Schaefer, Maintenance; George M. Vowell, Maintenance; and James M. Young Jr., Engineering.

20 YEARS

Samuel G. Howard and Arthur L. Travaglini.



PAVILION 'HOSTS' ARE GUESTS — Representatives from seven of the countries which have pavilions at the 1982 World's Fair in Knoxville visited Oak Ridge recently for a mini-tour of visitor facilities. Here John Shoemaker, ORGDP Operations Division, describes uranium enrichment activities at the plant to Andries Ekker, commissioner general of the European Community Pavilion, and Ernest Lewis, deputy commissioner general for the British Pavilion. The group also toured the High Flux Isotope Reactor at ORNL.



UCRA GOLF LEAGUE — Recent winners in the UCRA golf league included, from left, Marie Brown, Carl Frazier, Lucile Kreger, Warner Taylor, Emma Taylor, Bill Hall, Mildred Weasner and Nelson Weasner.

Paducah sports shorts...

The annual Paducah Plant turkey shoot will be held October 28-30 from 1 p.m. until dusk at Hobbs Road near the plant entrance. Shells will be furnished, and guns also will be available. Participants are limited to two turkeys.

This is prime deer-hunting weather, so don't miss your chance to get out and enjoy the sport by entering the Recreation Department's deer-hunting contest. Prizes will be awarded in both gun and bow categories. Entry forms are available from the Recreation Department in C-100.

In tennis action, Jim "Doc" Adams and Gary Long won the senior doubles division by defeating Bill Brucker and Bill Kelly, while Mark Trail defeated Charlie Welch in men's sin-

gles play. Gary Long took the senior singles title by beating Al Branham, and in women's singles, Sandy Trail defeated Terris McClain. In the finals of the men's doubles, Mark Trail and Mike Holloway will face Dave Taylor and Dick Coleman.

Blood

95% need it
by age 72.

Give enough.

APPLICATION FOR TICKETS

PADUCAH CARBIDE CHILDREN'S CHRISTMAS PARTY

(For Children Ages 2-9)

SATURDAY, DECEMBER 11, 9 A.M.

(Doors will open at 8:30 a.m.)

ARCADE THEATRE, PADUCAH, KY.



Employee's Name _____ Badge No. _____

Home Address _____

(Please Print Street Address or RFD, City and Zip Code)

Number of your children who will attend the party (please list)

Name _____ (BOYS) Age _____ Name _____ (GIRLS) Age _____

Name _____ Age _____ Name _____ Age _____

Name _____ Age _____ Name _____ Age _____

NOTE: Fill out form completely and return as soon as possible, to the Recreation Office, Union Carbide Corporation, P.O. Box 1410, Paducah, Ky. 42001. Tickets will be mailed to parents at their home addresses.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
June 82	21.3831	42.5110	12.1079
July 82	21.5778	42.8226	12.0114
August 82	21.7696	45.7450	13.1057
September 82	21.9623	49.3688	13.2389

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 11% for 1982. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Bowling alley notes...

UCC Mixed...

The Split Images still maintain a lead in the UCC Mixed Bowling League. They rolled recent high, including a 914 single, 2491 series, both in handicap scoring. Allyn Zerby holds the top men's series, with a 682 handicap; Trish Lankford leads the women with a 716. Jim Young rolled high single, 266 handicap; while Lankford also holds the high single, 265.

Family Mixed...

George Reece posted high scratch scoring in the Carbide Family Mixed League, rolling a single of 210; a series of 548. Larry Hodge posted a 251 handicap single and tied Chris Scott with a 618 series. Pat Smith rolled high for the women, with a 201 scratch, 252 handicap single. Colette Smith rolled a 494 scratch series; Debbie Bowman a 646 handicap total.

Y-12 Classic...

The Has Beens cling to a slim lead in the Y-12 Classic bowling circles, only a breath ahead of the Apollo Five and Kingpins. Ernie Lamb holds the high game thus far, a 289 handicap; with Ken Brown and Ellis Kerns tied with a 276. Harry Hammonds' 726 is high series; Wayne Groppe holds 720; and Lamb a 719. In team rolling, it's Apollo Five with a 3131 handicap series; the Lightning Balls with a 1102 single.

Y-12 C League...

Billy Sise rolled a 226 scratch game for the Sunflowers recently in the Y-12 C League...as Ira Shotts rolled a 263 handicap single for the Assembly plus 1. The Sunflowers' Halsey rolled a 579/657 series. Converted splits saw Bud Leets pick up the 3-7-10 and John Henry pull off the 6-7 improbability.

Thursday Mixed...

A new league, the Carbide Mixed League for Thursday makes its debut, rolling in Lenoir City. Top teams include the Smurfs and Spoilers tied for first place; with the Unpredictables only a game behind in second place. Clarence Wright rolled a 595 scratch series, recently, and a 223 single. Gwenn Skinner shone for the women, rolling a 195 single; 514 series.

Monday Mixed...

The Hi-Rollers took over the lead of the UCC Monday Mixed League, and the Pacesetters and Four Eagles moved into a tie for second slot. Job Goodman rolled a 591 scratch series; Penny Jessen still holds a 585 high on the women's side. The Lucky Strikes posted a 727 handicap single recently and hold the series high of 2034.

ORNL A League...

The ORNL A League lead still belongs to the Elwood's Chargers team, a mere half point ahead of the Ten Pins. Dave Stacy rolled a 694 series recently; Bill Anthony posted a 279 single. The Challengers had a 3054 handicap series recently, but the ORAU team still is best with 3122.

Carbide Wednesday...

The Sues Sooners have a slim lead in the UCC Carbide Wednesday League. Ray Smith's new high of 648 scratch series pushed its way to the top; and Elwood McCulley rolled a 247 scratch, 265 handicap single. The ???'s hold high team series, 3096 handicap.

ORGDP's Women's...

The Mouse Chasers still keep other teams from the top, only two and one-half points ahead of the Spotters. Donna Bell rolled a 200-179-245 series recently for a 624 total! The Pickups hold high singles, 829; while the Chocolate Chips hold the series high with a 2328.

K-25 Tuesday...

The All Stars are four-point leaders in the K-25 Tuesday Bowling League, four ahead of the Double X team. R. K. Johnson was the recent star of the alleys, rolling a 289 scratch game; 310 handicap single; and a series of 672/735.

Clerical Development Program to begin next month at Y-12

What do these employees have in common?

- a secretary who has worked for almost 20 years in the same office and feels she needs a new perspective on her job.

- a clerk-typist who came to work two years ago and is still having trouble with internal procedures.

- a recently hired clerical worker who is anxious to learn but is overwhelmed by the complexity of such a large organization.

The answer is the new Clerical Development Program which begins at the Y-12 Plant on November 16. This program is designed to help clerical/secretarial employees at Y-12 improve their job-related skills and knowledge and to relate their jobs to the goals and objectives of the organization.

The program was developed by a committee composed of representatives from the secretarial and administrative supervision staffs and the Human Resource Development Department. Participants included Lynn Eason, Louise Egner, Jeanne Moody, Johnnie Riddle, Lynn Beck, Mary Ayles, Kathy Coleman and Mabel Tyer.

Initially, it will include six courses which will be offered on a continuing basis. Additional courses will be added to the program as training needs are identified.

Course discussions will be led by employee/instructors who have expertise in the subject areas. Class size will be limited to less than 20 persons to encourage active involvement by the participants through discussion, individual exercises, films and videotapes. Each class will run

approximately four hours in length.

A brochure describing the program in detail is being distributed to all clerical/secretarial employees. Employees may choose to take one or more of the courses depending on individual needs and interest. A general description of the courses follows:

You and Your Job — In this course, the employee examines his/her role in the organization and is given guidance on how to take personal responsibility for improving quality and productivity.

Correspondence Preparation — Guidelines for preparing internal and external correspondence, with emphasis on style and quality standards, are presented in this course.

Office Management — This course covers the techniques for efficient office operation. Included are segments on interpersonal relationships, using the telephone, establishing work priorities and organizing responsibilities.

Getting Things Done in the Y-12 System — Included in this course are the techniques for using the Stores ordering system; procuring materials from vendors; acquiring and processing frequently used forms; and identifying who to contact to get things done.

Records Management — The types of office information and the development of effective systems to process and retrieve information will be examined in this course.

Handling Classified Documents — This course provides an introduction to the processing and protection of various types of classified documents.



IN SESSION — Participants in the Clerical Development Program include, seated from left, Athala Dow, Johnnie Riddle, Kathy White, Blanche Miller, Helen Claffey, Louise Egner, Nancy Vandergriff, Sue Tate and Letitia Murr. Standing are Lynn Eason, Darlene Hunnicutt, Sheila Rowan, Virginia Boswell, Jean Jones, Lynn Beck, Margaret Kirby, Barbara Littleton, Marigrace Kirstowsky, Loretta McBee, Jeanne Moody and Flo Simpson.



LEADS DISCUSSION — Jeanne Moody discusses records management to the new Clerical Development Program, developed by representatives of the Human Resource Development Department in Y-12.

Save Energy / Share The Ride

ORNL

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDER NEEDED from West Knoxville (Cedar Bluff, Middlebrook Pike, Vanosdale Road, Cloth World, Kingston Pike) to any portal except South, 8-4:30. Leon, plant phone 4-5723; home phone 693-3211.

VAN POOL RIDERS NEEDED from UT and West Knoxville area to main portals, 8:15-4:45. S. L. Wyatt, plant phone 4-4165; home phone 584-4839.

VAN POOL RIDER NEEDED from Fountain City area to any portal, 8-4:30. Gary Shepherd, plant phone 4-4238; home phone 687-5721.

Y-12

JOIN or FORM CAR POOL from Rio Vista Subdivision, Kingston, to Cen-

tral or North Portal, 8-4:30. Charles Pritchard, plant phone 4-2454; home phone 376-5173.

RIDE or JOIN CAR POOL from Fountain City to Central or North Portal, 8-4:30. Jeanette Faucett, plant phone 6-4915; home phone Knoxville 687-9306.

RIDE from Concord, Farragut areas, to Bear Creek or Pine Ridge Portal, 8-4:30. Gary Mount, plant phone 6-4714; home phone Knoxville 966-6815.

RIDE from Kingston, Midtown area to East Portal, J Shift. Tommy Miller, plant phone 376-3996.

CAR POOL MEMBERS from Knoxville, Cedar Springs, States View area to Central or North Portal, 8-4:30. G. E. Campbell, plant phone 6-3685; home phone Knoxville 690-0734.

RIDE from Westcliff Apartments, Lyons View Drive, Knoxville, via Northshore Drive area, Paper Mill Road exit, to Biology Portal, 8-4:30. A. G. Vest, plant phone 4-1242.

Pitt appointed waste program manager

W. Wilson Pitt Jr. has been named program manager for ORNL's Radioactive Waste Process Development Program.

Pitt succeeds Raymond E. Blanco, who recently retired. As program manager he will be responsible for research and development directed toward development of new processes for disposing of high-level, transuranic and airborne radioactive waste.

Pitt has been a member of the Nuclear Division staff since 1960. In addition to his new responsibilities, Pitt will continue to serve as head of the experimental engineering section in the Chemical Technology Division.

He received a BS degree in chemical engineering from the University of South Carolina in 1957 and MS and PhD degrees in chemical engineering from the University of Tennessee in 1966 and 1969, and is a



Pitt

registered Professional Engineer. He is a member of the American Chemical Society, American Institute of Chemical Engineers, American Society for Testing and Materials, National Society of Professional Engineers and Sigma Xi.

Pitt and his wife, Ann, reside at 254 Iroquois Road, Oak Ridge. They have three children.

Organizations declare interest

(Continued from page 1)

- McDonnell Douglas Astronautics Co., St. Louis, ORNL.
- Hercules, Incorporated, Salt Lake City, all four facilities; also part of facilities; joint venture with Day & Zimmerman, Inc., and Mason & Hangar-Silas Mason, Inc.
- General Atomic Company, San Diego, ORNL.
- Gilbert/Commonwealth, Reading, Pa., ORNL.
- The Goodyear Tire & Rubber Company, Akron, all four facilities; ORGDP/PGDP.
- Vanderbilt University, ORNL.
- Dynalectron Corporation, McLean, Va., all four facilities.
- EG&G, Inc., Wellesley, Mass., all four facilities; ORNL; Y-12; ORNL/Y-12.
- Systems Development Corporation, El Segundo, Calif., all four facilities.
- Fluor Engineers, Inc., Santa Ana, Calif., engineering, maintenance and computer services functions.
- Pan Am World Services, Inc., Cocoa Beach, Fla., all four facilities.

- Lockheed Corporation, Burbank, Calif., all four facilities; ORNL/Y-12.
- Tennessee Technological University, ORNL.
- Burns & Roe Industrial Services Corporation, Oak Ridge, all four facilities; ORNL/Y-12; ORNL. (All four: Systems Development Corporation, Burns & Roe, Litton Industries, UT and others unspecified. ORNL/Y-12: TRW/Lockheed, Burns & Roe and others unspecified. ORNL: UT, Burns & Roe and others unspecified.)
- Technology for Energy Corporation, Knoxville, all four facilities.
- GTE Corporation, Waltham, Mass., all four facilities. ORNL of particular interest.
- Ranchers Exploration and Development Corporation, Albuquerque, all four facilities or any combination.
- ANEFCO, Inc., Ridgefield, Conn., all four facilities; ORNL; PGDP. Joint venture with Indian Head, Inc., and Booz, Allen-Hamilton.
- University of Georgia, Georgia Tech, Duke University, North Carolina State, University of North Carolina, Vanderbilt University, ORNL.

Corporate world . . .

Declines affect 3rd quarter income

Union Carbide Corporation reported 1982 third quarter net income of \$70.5 million, a 49 percent decline from the same period a year ago. Per share earnings were \$1.02 compared with \$2.02 per share in the 1981 third quarter.

Warren M. Anderson, chairman and chief executive officer, said the worldwide recession continued to hurt many of the company's businesses, particularly those serving the steel, auto and housing industries.

Anderson noted, however, that the corporation's consumer products businesses exhibited strength, producing sales gains over the 1981 third quarter.

Worldwide sales of \$2.17 billion were 11 percent below third quarter 1981 sales of \$2.43 billion. Domestic sales of \$1.44 billion were 14 percent below the 1981 third quarter, while international sales of \$716 million were 2 percent below the same quarter last year.



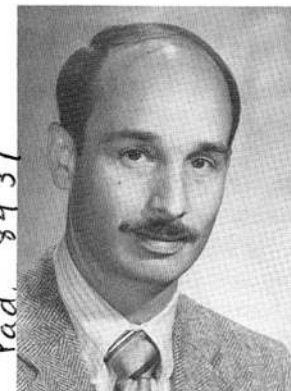
RECEIVES QA CERTIFICATE — J. Steve Ivey (center), an inspector on loan to ORNL's Metals and Ceramics Division from Quality Assurance and Inspection receives a quality assurance certificate of recognition from Ken W. Sommerfeld, ORNL executive director, as James R. McGuffey, director of Quality Assurance and Inspection, looks on. Ivey was recognized for discovering a faulty machining mandrel and correcting a problem in the Carbon Bonded Carbon Fiber Program.

Computer Services head named

John C. Asbell has been named department head of Computer Services in the Paducah Plant's Finance and Materials Division.

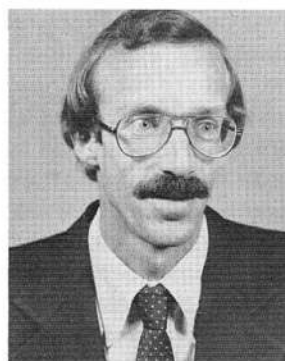
Asbell, a native of Oakton, Ky., received a master's degree in physics from Murray State University. Before coming to Paducah, he was a physicist at the U.S. Army Missile Command in Huntsville, Ala. Asbell joined the Nuclear Division as a Computer Analyst in 1977.

Asbell and his wife, Jerry, live in Lone Oak with their three children.



Asbell

Vaughn named at ORGDP



Vaughn

Bruce E. Vaughn has been named area supervisor for chemical operations in the Operations Division at ORGDP. In his new position he will assume many of the responsibilities

previously held by Juan F. Perez, who has transferred to the Y-12 Metal Preparation Division.

Vaughn is a native of Lawrence, Kan. He received his bachelor's degree in mechanical engineering at the University of Kansas, and has done graduate study at the University of Tennessee.

He joined the Nuclear Division in 1975 working in the Operations Planning, and the Power and Utilities Departments. Most recently, he has been an engineer in the Chemical Operations Department.

He lives on West Kingsgate Drive in Knoxville.

Y-12 Benefit Plans changes hours

The Benefit Plans Office at Y-12 has adjusted its hours for business in order to accommodate shift workers.

There will be personnel available from 7 a.m. until 4:30 p.m. Employees on the midnight shift will now be able to transact insurance business with Benefit Plans.

Patent

Gary W. Vest and Jack G. Gooch, both of Y-12, "A Multilayered Coating and Method for Depositing Same on Nonconducting Materials."

Next issue...

The next issue will be dated November 11. The deadline is November 3.

Time change set

The country's clocks will be moved back Sunday, October 31, at 2 a.m. Shift workers will come to work on daylight saving time and leave Sunday morning on standard time....Eastern Standard Time in Oak Ridge and Central Standard Time in Paducah.

Standard time will remain in effect until next spring.

UNION CARBIDE

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